

**GOLF BALL WITH  
SULFUR CURED INNER CORE COMPONENT**

**ABSTRACT**

A golf ball is disclosed that includes a core assembly comprising a center core component and at least one core layer and a cover comprising at least one layer. The center core component preferably is formed from a sulfur-cured polybutadiene. The core layer component preferably is formed from a peroxide-cured polybutadiene and a metal salt of an unsaturated fatty acid such as zinc diacrylate or zinc dimethacrylate. The resulting golf ball of the present invention provides enhanced playability characteristics (i.e., spin and feel) without sacrificing distance or durability properties. The sulfur-cured center core component exhibits a remarkable combination of properties - a high resiliency coupled with being very soft.